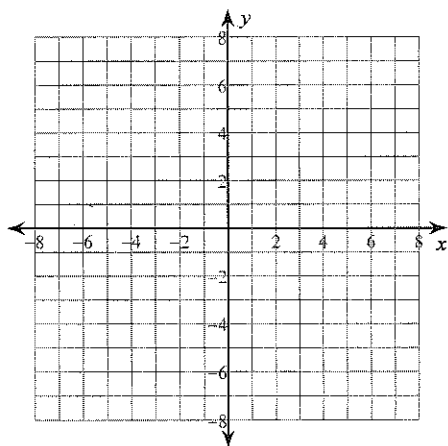


Assignment

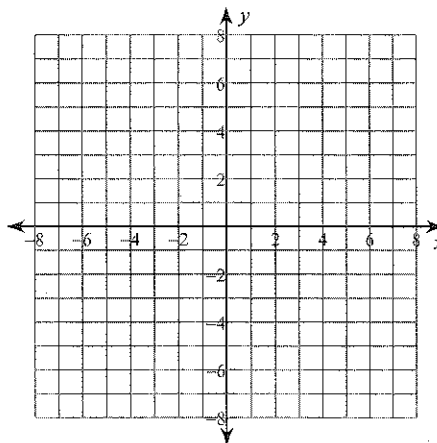
Date _____ Period _____

Identify the center and radius of each. Then sketch the graph.

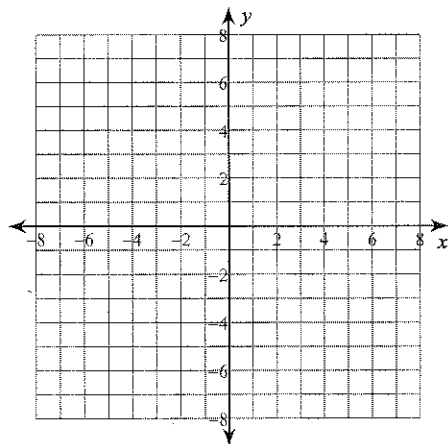
1) $\left(x - \frac{5}{2}\right)^2 + \left(y - \frac{7}{2}\right)^2 = 9$



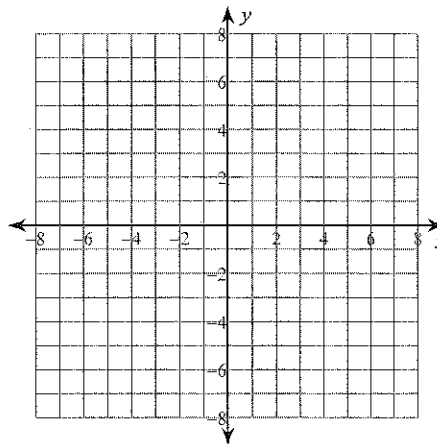
2) $(x - 2)^2 + (y - 2)^2 = 25$



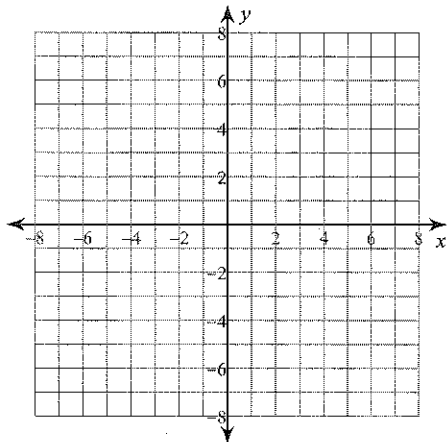
3) $(x - 2)^2 + (y + 1)^2 = 16$



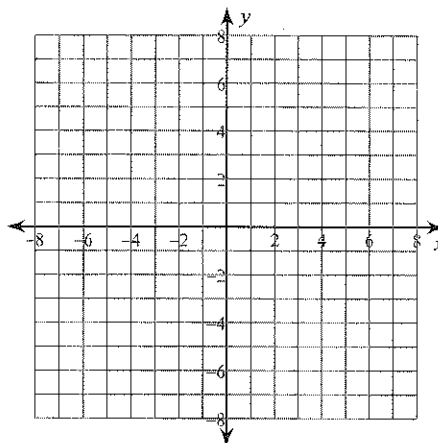
4) $x^2 + (y + 4)^2 = 1$



$$5) \left(x - \frac{3}{2}\right)^2 + (y - \sqrt{14})^2 = 4$$



$$6) (x - 2)^2 + (y + 2)^2 = 9$$



Use the information provided to write the equation of each circle.

7) Center: $(-15, -7)$
Radius: 3

8) Center: $\left(2\sqrt{30}, -\frac{19}{2}\right)$
Radius: 3

9) Center: $(-16, -2)$
Radius: 3

10) Center: $(-10, 9)$
Radius: 5

11) Center: $(2, 16)$
Radius: 1

Find the area of each triangle. Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.

